



Industrial Chemicals Division
12260 South Carondelet Avenue
Chicago, Illinois 60633
(312) 933-8800

March 24, 1980

Illinois Environmental Protection Agency
Division of Water Pollution Control
2200 Churchill Road
Springfield IL 62706

Subject: Notification NPDES Permit #IL0002640

Gentlemen:

At 0730 on March 21, 1980, a leak was discovered in a spool piece in the #7 product coolers. Operational personnel immediately bypassed the acid flow around the affected area and drained the coolers' system into storage. Simultaneously, the Works also initiated accelerated sampling at the Outfall 002.

The Permit limitation for pH at Outfall 002 is 5.0 - 10.0. The pH of the Outfall was at its lowest pH of 2.5 at 0740. By 0748, the pH was at 7.2 and no further readings outside of the 5.0 - 10.0 range occurred.

Total duration of the leak was approximately 15 minutes. Total flow through the Outfall 002 resulted in approximate dilution of the acid of 5000 to 1. Impact upon the Calumet River is felt to be small in view of the amount of acid that entered the Outfall.

Currently, new tube and shell heat exchangers are on order for replacement of the #7 product coolers. Delivery and installation is anticipated for early summer. This installation will greatly reduce the possibility of acid leaks in the future.

I certify under penalty of law that I have personally examined and am familiar with the information submitted herein; and based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment.

If you have any questions, please contact me.

Very truly yours,

CHEMICALS COMPANY

C. T. Nielsen
Plant Manager
JLH:er

RECEIVED

MAR 26 '80

PERMIT
COMPLIANCE

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY

MAR 31 1980

DIV. WATER POLLUTION CONTROL
FIELD OPERATIONS SECTION - REG. 2

EPA Region 5 Records Ctr.



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